MULTI-LAYER TESTING COLUMN

Abstract

A multi-layer testing column has a chamber having a longitudinal axis and a first end having a first aperture. A plurality of membrane layers are vertically stacked within the chamber and include at least a plurality of solid-phase substrates each carrying a different anti-analyte. A sample can be placed in the chamber such that specific analytes of the sample are bound to the anti-analytes. A sensor can then be used to receive a signal from the substrates and to generate a corresponding electrical signal.